

UNIT 7- LESSON PLANS

Class Algebra 1	Topic U7- More Multiplication Properties of Exponents	Lesson 3	Of 8
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Objective	<p>Students will:</p> <ul style="list-style-type: none"> • Define and illustrate powers; • Identify other multiplication properties exponent; and • Simplify polynomials using multiplication law of exponent.
"I Can" Statement	I can simplify polynomials using the multiplication law of exponent.

Common Core Standards	<p>CCSS.Math.Content.HSF.IF.C.8.b Use the properties of exponents to interpret expressions for exponential functions. For example, identify percent rate of change in functions such as $y = (1.02)^t$, $y = (0.97)^t$, $y = (1.01)12^t$, $y = (1.2)^t/10$, and classify them as representing exponential growth or decay.</p> <p>CCSS.Math.Content.HSA.SSE.B.3.c Use the properties of exponents to transform expressions for exponential functions. <i>For example the expression 1.15^t can be rewritten as $(1.15^{1/12})^{12t} \approx 1.012^{12t}$ to reveal the approximate equivalent monthly interest rate if the annual rate is 15%.</i></p>
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Bell Work	See Bell Work7-3
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Procedures	<ol style="list-style-type: none"> 1. Start and lead student discussion related to the bell work. 2. Distribute the Guided Notes 3. Present lesson or play a video lesson. 4. Use an Online Activity if time permitted. 5. Distribute Lesson Assignment.
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Assessment	Bell Work 7-3 Assignment 7-3 Exit Quiz 7-3
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Additional Resources	See Online Activities
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